## **PCT**

## REQUEST

For receiving Office use only
International Application No.
International Filing Date
Name of receiving Office and "PCT International Application"

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application"			
-	Applicant's or agent's file reference (if desired) (12 characters maximum) 5362-451PCA			
Box No. I TITLE OF INVENTION	•			
AUTOMOTIVE VEHICLE WITH OPEN A	IR SYSTEM			
Box No. II APPLICANT This person	n is also inventor			
Name and address: (Family name followed by given name; for a legal enti The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of reside	Telephone No. 734-285-4911			
ASC INCORPORATED	Facsimile No.			
One Sunroof Center /		Teleprinter No.		
Southgate, Michigan 48195 United States of America	Teleprinter No.			
Similar States of America		Applicant's regist	tration No. with the Office	
State (that is, country) of nationality:	State (that is, country,			
United States of America	United States of			
This person is applicant for the purposes of:  all designated X all designate States		the United States of America only	the States indicated in the Supplemental Box	
Box No. III FURTHER APPLICANT(S) AND/OR (FURTH	IER) INVENTOR(S)			
Name and address: (Family name followed by given name; for a legal enti- The address must include postal code and name of country. The country of Box is the applicant's State (that is, country) of residence if no State of reside DONCOV, Stephen 4827 Evans Court Trenton, Michigan 48183 United States of America	the address indicated in this ence is indicated below)	x applican inventor is marke Applicant's regist	t only t and inventor only (If this check-box d, do not fill in below) ration No. with the Office	
State (that is, country) of nationality:	State (that is, country	-		
United States of America  This person is applicant all designated	United States of	the United States	the States indicated in	
	ed States except States of America	of America only	the States indicated in the Supplemental Box	
X Further applicants and/or (further) inventors are indicated of	on a continuation sheet.			
Box No. IV AGENT OR COMMON REPRESENTATIVE;	OR ADDRESS FOR C	CORRESPONDE	NCE	
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authorities	on behalf s as:	agent	common representative	
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of c	Telephone No. 248-641-1600			
FALCOFF, Monte L.	Facsimile No.			
Harness, Dickey & Pierce, P.L.C. P. O. Box 828	248-641-0270			
Bloomfield Hills, Michigan 48303	Teleprinter No.			
United States of America	Agent's registration No. with the Office			
		37,617	J	
Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.				

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)						
If none of the following sub-boxes is used, this sheet should not be included in the request.						
Name and address: (Family name followed by given name; for a legalentity, full. The address must include postal code and name of country. The country of the add Box is the applicant's State (that is, country) of residence if no State of residence is in DILLUVIO, Christopher J. 32460 Wayburn West Farmington Hills, Michigan 48334 United States of America	dress indicated in this					
State (that is, country) of nationality:	ate (that is, country) of residence:					
	nited States of America					
This person is applicant for the purposes of:  all designated States the United States of	es except					
Name and address: (Family name followed by given name; for a legal entity, full The address must include postal code and name of country. The country of the add Box is the applicant's State (that is, country) of residence if no State of residence is MONROE, Donald R., 7526 Miller Dearborn, Michigan 48126 United States of America	dress indicated in this					
State (that is, country) of nationality:	tate (that is, country) of residence:					
United States of America Ur	nited States of America					
This person is applicant for the purposes of:  all designated states all designated the United States of	the United States the States indicated in the Supplemental Box					
Name and address: (Family name followed by given name; for a legal entity, full The address must include postal code and name of country. The country of the ad Box is the applicant's State (that is, country) of residence if no State of residence is MURTFELDT, Jeffrey J. 15647 Ryland Redford, Michigan 48239 United States of America	Idress indicated in this					
State (that is, country) of nationality:	tate (that is, country) of residence:					
United States of America U	nited States of America					
This person is applicant for the purposes of:  all designated states the United States	tes except of America only the States indicated in the Supplemental Box					
Name and address: (Family name followed by given name; for a legal entity, full The address must include postal code and name of country. The country of the ad Box is the applicant's State (that is, country) of residence if no State of residence is	dress indicated in this					
State (that is, country) of nationality:	ate (that is, country) of residence:					
This person is applicant for the purposes of:  all designated all designated States except the United States of America only the States indicated in the Supplemental Box						
Further applicants and/or (further) inventors are indicated on another continuation sheet.						

Sheet No. ...3....

Box No	V DESIGNATION OF STATES		Ма	ark the applicable check-boxes belo	w; c	ıt lea	ist one must be marked.
The following designations are hereby made under Rule 4.9(a):  Regional Patent							
⊠ AP	AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (if other kind of protection or treatment desired, specify on dotted line)						
X EA	A Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT						
X EP	EP European Patent: AT Austria, BE Belgium, CH & LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT						
⊠ oa	GA Gabon, GN Guinea, GQ Equa TD Chad, TG Togo, and any other	atoria State	l G	CF Central African Republic, CG uinea, GW Guinea-Bissau, ML Malich is a member State of OAPI and a dotted line).	li, N Co	IR N ntrac	Mauritania, NE Niger, SN Senegal, ting State of the PCT (if other kind
Nation	al Patent (if other kind of protection	ı or tı	reati	ment desired specify on dotted line):			
X AE	United Arab Emirates	$\mathbf{X}$	GM (	Gambia	X	NZ	New Zealand
	Antigua and Barbuda	X I	HR	Croatia	Х	OM	I Oman
X AL	Albania	<b>⊠</b> ₽	HU :	Hungary	Х	PH	Philippines
	Armenia						Poland
	Austria						
	Australia	_					
					_	ΚU	Russian Federation
	Bosnia and Herzegovina						
				Kenya			
	Bulgaria						
=	Brazil		KP	Democratic People's Republic			Singapore
	Belarus			of Korea	X	SI	Slovenia
	Belize						
	Canada			Kazakhstan			
	& LI Switzerland and Liechtenstein				띘	IJ TM	Tajikistan
=	China			JII Lalika	=		Tunisia
X CO	Colombia Costa Rica	台	LK			TR	Turkey · · · · · · · · · · · · · · · · · · ·
	Cuba		LT		X	тт	Trinidad and Tobago
	Czech Republic		LU	Luxembourg	ш		
	Germany				x	TZ	United Republic of Tanzania
	Denmark			Morocco	$\overline{\mathbf{x}}$		Ukraine
=	I Dominica				$\overline{\mathbf{x}}$	UG	Uganda
=	Algeria	- ت			X		United States of America
	Ecuador	$\overline{\mathbf{X}}$	MG	Madagascar			
	Estonia			The former Yugoslav Republic of	X	UZ	Uzbekistan
_	Spain				X		Viet Nam
			MN	Mongolia	X	$\mathbf{Y}\mathbf{U}$	Yugoslavia
= '	United Kingdom				$\boxtimes$		South Africa
	Grenada		MX	Mexico			Zambia
X GE	Georgia	X 1	ΜZ	Mozambique	X	ZW	Zimbabwe
	Ghana			Norway			
Check-	boxes below reserved for designating	State	es w	hich have become party to the PCT a	fter	issua	ance of this sheet:
□		$\Box$ .		• • • • • • • • • • • • • • • • • • • •			• • • • • • • • • • • • • • • • • • • •

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Sheet No. 4

Box No. VI PRIORITY CLAIM						
The priority of the following	earlier application(s) is hereb	oy claimed:				
Filing date  Of earlier application  (day/month/year)  Number  Of earlier application		Where earlier application is:				
		national application: country	regional application:* regional Office	international application: receiving Office		
item (1) 29 May 2001 (29.05.01) item (2)	60/294,168	US				
item (3)						
item (4)						
item (5)						
Further priority claims a	are indicated in the Suppleme	ental Box.		-		
The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:  all items  item (1)  item (2)  item (3)  item (4)  item (5)  other, see Supplemental Box  * Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4. 10(b)(ii)):  Box No. VII INTERNATIONAL SEARCHING AUTHORITY						
Choice of International Sea international search, indicat ISA / EP	Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carryout the international search, indicate the Authority chosen; the two-letter code may be used):  ISA / EP					
Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):  Date (day/month/year)  Number  Country (or regional Office)						
Box No. VIII DECLARAT	Box No. VIII DECLARATIONS					
The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):  Number of declarations						
Box No. VIII (i)	Declaration as to the iden	ntity of the inventor		:		
Box No. VIII (ii)	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent :					
Box No. VIII (iii)	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application :					
X Box No. VIII (iv)	Declaration of inventorship (only for the purposes of the designation of the United States of America) : 1					
Box No. VIII (v)	Declaration as to non-pre	judicial disclosures or exce	eptions to lack of novelty	<i>'</i> :		

Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No .... (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:
- (i) if more than two persons are to be indicated as applicants and for inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. II" and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. II" or "Continuation of Box States" of INO. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;
- (vi) if, in Box No. VI, there are more than five earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- 2. If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.

## Box IV – Agent or Common Representative (continued)

AMBURN, Dean W. BLAIR, Charles H. BRENNAN, Michael P. BROCK, Christopher M. BUDDE, Anna M. BURRIS, Kelly K. CANTOR, Bernard J. CARLSON, Richard L. CAROTHERS, W. Douglas CASSEL, Alan L. DESCHERE, Linda M. DONLEY, Garrett C. ELCHUK, Mark D. ERJAVAC, Stanley M. EUSEBI, Christopher A. FOSS, Stephen J. FRENTRUP, Mark A. FULLER, Roland A. GRAY, Scott T. GRYTE. Danial M. HALLIN, Thomas H. HARRIS, Gordon H. HILTON, Michael E. HOLLAND, Donald R. KELLER, Paul A. LAFATA, Joseph M. MACINTYRE, Timothy D. MALINZAK, Michael MASSEY, Ryan W. MCCLAUGHRY, David A. MILLER, H. Keith MOUSTAKAS, George D. NEWTSON, Gary L. O'DELL, Elizabeth D. OLSON, Stephen T. PAPP, Joseph R. RETTIG, Phillip E. SCHIVLEY, G. Gregory SCHMIDT, Michael J. SCHOOF, George T. SIMINSKI, Robert M. SNYDER, Jeffrey L. SOTIRIOU, Evan A. STOBBS, Gregory A. SUTER, David L. TAYLOR, W.R. Duke TELSCHER, Rudolph A. URIAN, Jeffrey H. UTYKANSKI, David P. WADE, Bryant E. WALKER, Donald G. WALLACE, Robert J. WALSH, Joseph E. WARNER, Richard W. WHEELOCK, Bryan K. WIGGINS, Michael D. ZALOBSKY, Michael D.

Sheet No. 6.....

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America)  $The \ declaration \ must \ conform \ to \ the \ following \ standard \ ized \ wording \ provided \ for \ in \ Section \ 214; see \ Notes \ to \ Boxes \ Nos. \ VIII, \ VIII(i) \ to \ (v)$ (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

## Declaration of inventorship (Rules 4.17(iv) and 51bis.l (a)(iv))

for the purposes of the designation o	f the United States of America:
I hereby declare that I believe I am the original, first and sole (if only o is listed below) inventor of the subject matter which is claimed and for	one inventor is listed below) or joint (if more than one inventor r which a patent is sought.
This declaration is directed to the international application of which	it forms a part (if filing declaration with application).
This declaration is directed to international application No. PCT/ $\dots$ to Rule 26 $ter$ ).	(if furnishing declaration pursuant
I hereby declare that my residence, mailing address, and citizenship	are as stated next to my name.
I hereby state that I have reviewed and understand the contents of the of said application. I have identified in the request of said applicat priority, and I have identified below, under the heading "Prior Applicat Trade Organization, day, month and year of filing, any application of America, including any PCT international application designating a having a filing date before that of the application on which foreign pri Prior Applications: 60/294,168, US, 29 May 2001	ion, in compliance with PCT Rule 4.10, any claim to foreign ations," by application number, country or Member of the World lesignating at least one country other than the United States of at least one country other than the United States of America, ority is claimed.
	***************************************
I hereby acknowledge the duty to disclose information that is 137 C.F.R. § 1.56, including for continuation-in-part applications, mate of the prior application and the PCT international filing date of the continuation.	erial information which became available between the filing date
I hereby declare that all statements made herein of my own knowledge are believed to be true; and further that these statements were made made are punishable by fine or imprisonment, or both, under Section false statements may jeopardize the validity of the application or any	with the knowledge that willful false statements and the like so 1001 of Title 18 of the United States Code and that such willful
Name: DONCOV, Stephen	
Residence: Trenton, Michigan, United States of Amer (city and either US state, if applicable, or country)	rica
Mailing Address: 4827 Evans Court, Trenton, Michigan	
Citizenship: United States of America	
Inventor's Signature:	Date:
Name: DILLUVIO, Christopher J.	
Residence: Farmington Hills, Michigan, United States (city and either US state, if applicable, or country)	of America
Mailing Address: 32460 Wayburn West, Farmington Hil	ls. Michigan 48334
TT 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Inventor's Signature:	Date:  (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)

Sheet No. .7....

Continuation of Box No. VIII (i) to (v) DECLARATION  If the space is insufficient in any of Boxes Nos. VIII (i) to (v) to furnish all the informate to be named in Box No. VIII (iv), in such case, write "Continuation of Box No the information in the same manner as required for the purposes of the Box in whim respect of two or more declarations, a separate continuation box must be used should not be included in the request.	o. VIII" (indicate the item number of the Box) and furnish ich the space was insufficient. If additional space is needed
Continuation of Box No. VIII (iv)	
Inventors (Name, Residence, Mailing Address, Citizenship	o, Signature, Date):
MONROE, Donald R. Dearborn, Michigan, United States of America, 7526 Miller, Dearborn, Michigan 48126 United States of America	
Inventor's Signature:	Date:
MURTFELDT, Jeffrey J. Redford, Michigan, United States of America, 15647 Ryland, Redford, Michigan 48239 United States of America	
Inventor's Signature:	_ Date:

Sheet No. ...8....

Box No. IX CHECK LIST; LANGUAGE OF FILING						
This international application contains:  (a) the following number of sheets in paper form:	This international application is accompanied by the followin item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	g Number of items				
request (including	1. x fee calculation sheet	: 1				
declaration sheets) : 8 sheets	2. original separate power of attorney	:				
description (excluding sequence listing part) : 13 sheets	3. original general power of attorney	:				
claims : 10 sheets	4. copy of general power of attorney; reference number,	_				
abstract : 1 sheets	if any:	· · · · · · ·				
drawings : 18 sheets	5. statement explaining lack of signature					
Sub-total number of sheets: 50	6. priority document(s) identified in Box No. VI as item(s):					
sequence listing part of description (actual number of sheets if filed in paper	7. translation of international application into (language):					
form, whether or not also filed in computer readable form; see (b) below)	8. separate indications concerning deposited microorgan or other biological material	ism :				
Total number of sheets : 50	9. sequence listing in computer readable form (indicate a and number of carriers (diskette, CD-ROM, CD-R or	other))				
(b) sequence listing part of description filed in computer readable form	(i) copy submitted for the purposes of internation under Rule 13ter only (and not as part of the international application)	al search				
(i) only (under Section 801(a)(i))	(ii) (only where check-box (b)(i) or (b)(ii) is mark	ed in left				
(ii) in addition to being filed in paper form (under Section 801(a)(ii))	column) additional copies including, where ap the copy for the purposes of international sear	plicable,				
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which the	Rule 13ter (iii) together with relevant statement as to the iden	<del>;</del> tity				
sequence listing part is contained additional copies to be indicated under item 9(ii), in	of the copy or copies with the sequence listing	g part				
right column):	mentioned in left column	:				
	10. x other (specify): Exp Mail Trans, Trans Ltr, & rtn	bosicara: 3				
Figure of the drawings which should accompany the abstract: 5	Language of filing of the international application: English					
Box No. X SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE  Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).  on behalf of ASC INCORPORATED  Stephen DONCOV, Applicant/Inventor						
Christopher J. DILLUVIO, Applicant/Inventor						
	Donald R. MONROE, Applicant/Invento					
	Jeffrey J. MURTFELDT, Applicant/Inve					
zsmay zeoz Monte L. FALCOFF, Agent for Applicants						
	For receiving Office use only					
Date of actual receipt of the purported international application:	,	2. Drawings:				
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:						
Date of timely receipt of the required corrections under PCT Article 11(2):		not received:				
5. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid					
	For International Bureau use only					
Date of receipt of the record copy by the International Bureau:	•					